

## **SYSTEM AND METHOD FOR MONITORING AND CONTROLLING UTILITY SYSTEMS**

### **Abstract**

A system for monitoring and controlling one or more utility systems includes a utility system main supply line for supplying a utility to at least one of a structure, an area and a building and a controlled shut-off device on the utility system main supply line. The controlled shut-off device is biased toward an open position and is movable toward a closed position upon receipt of an actuation signal wherein the utility is prevented from passing by the controlled shut-off device. A main utility sensor is on the utility system main supply line and a motion sensor that detects occupancy is in the building. A processor communicates with the controlled shut-off device, the main utility sensor and the motion sensor. The processor sends the actuation signal to the controlled shut-off device to move the controlled shut-off device toward the closed position when input from the main utility sensor and the motion sensor indicates occurrence of an abnormal event.